

FIGURE 2. Correlation of First Dimension NPAT Scores with First Dimension State Roll Call Scores

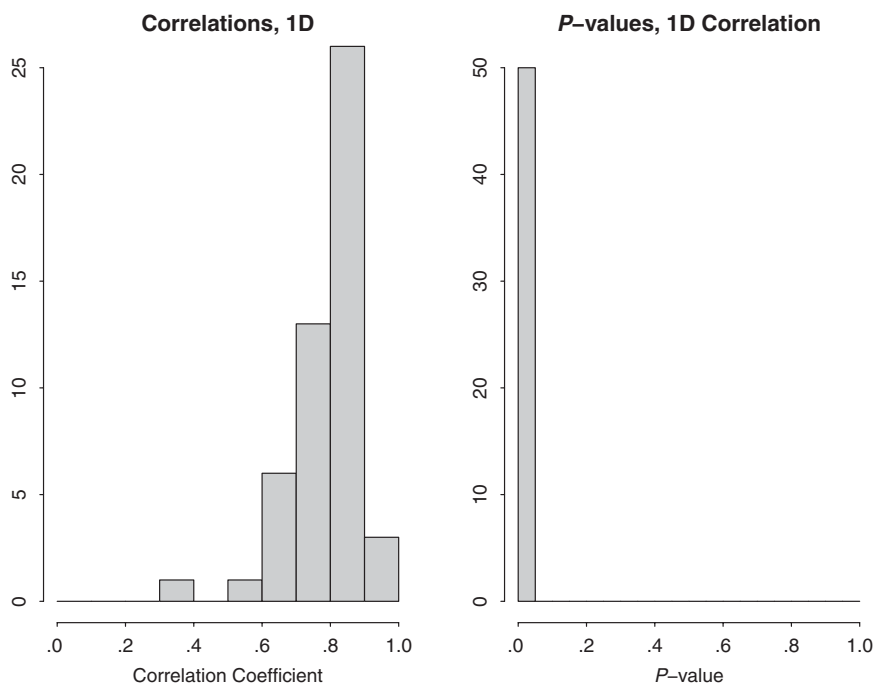
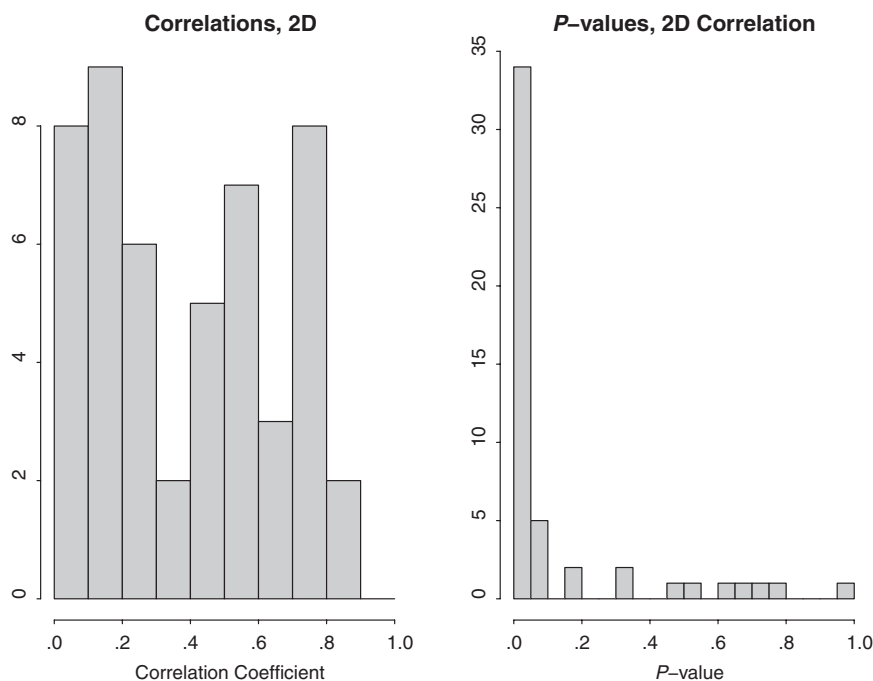


FIGURE 3. Correlation of Second Dimension NPAT Scores with Second Dimension State Roll Call Scores



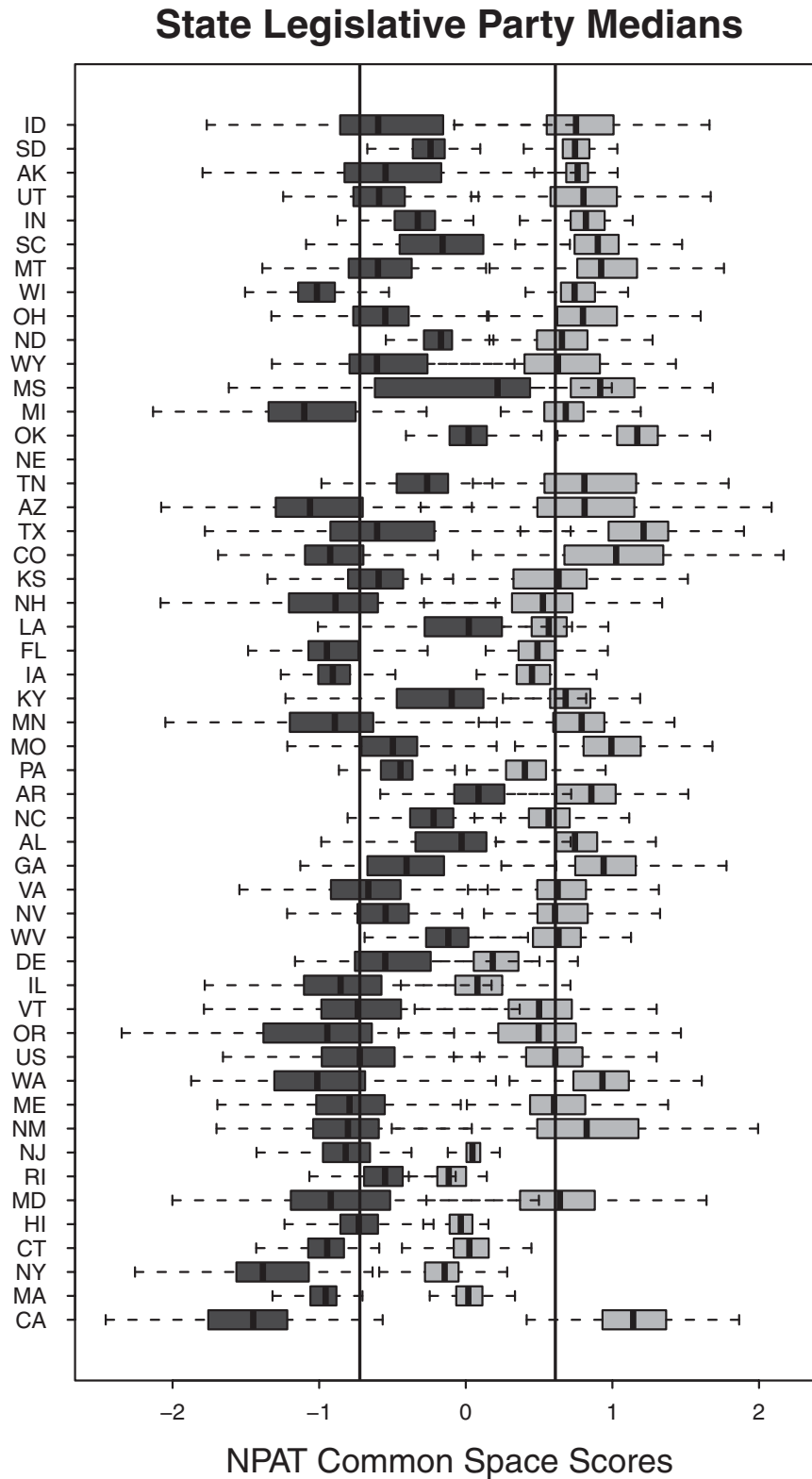
we cannot identify each party effect separately. So we instead estimate $\gamma = \gamma_R - \gamma_D/2$, which Ansolabehere, Snyder, and Stewart (2001b) predict to be positive. Consequently we assume that the relationship between the true ideal point x_i^* and the observed roll call ideal

point is given by

$$x_i = x_i^* + \gamma R_i + \varepsilon_i,$$

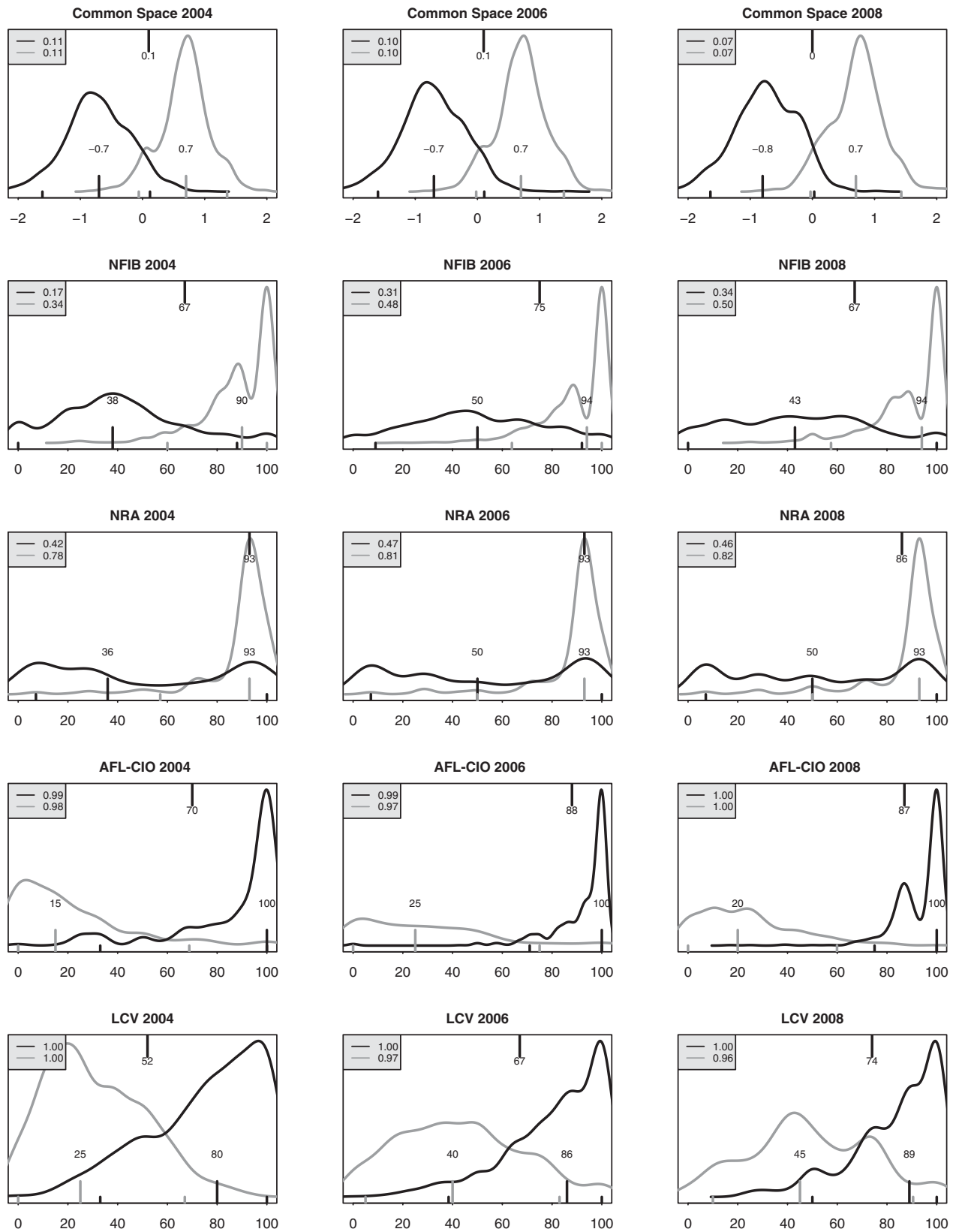
where $R_i = 1$ if legislator i is a Republican, 0 if he or she is an independent, and -1 if he or she is a Democrat.

FIGURE 7. Box Plot of Estimated NPAT Common Space Scores for Pooled State Legislatures Compared with Scores for Congress (with Vertical Lines Drawn at the Pooled Congressional Party Medians)



Note: States are sorted by pooled medians, with the most conservative states at the top. Dark gray represents Democrats; light gray, Republicans. Boxes are interquartile distances, with whiskers at 1.5 times that range.

FIGURE 10. Density Plots of Special Interest Group Ratings for State Legislators, 2004–08 (Dark Lines Are Democrats and Light Lines Are Republicans)



Note: Comparison made to common space scores (top row). Numbers under curves indicate party medians, whereas central number indicates state median. Legend reports party overlap statistic—the proportion of, for example, Democrats who are to the right of the most liberal fifth percentile of Republicans.

FIGURE 12. Scatterplot of Averaged (Upper and Lower Chamber) Legislative Medians (x-axis) in 2000, 2004, and 2008 against Annenberg Survey State Mean Standardized Self-reported Ideology (y-axis)

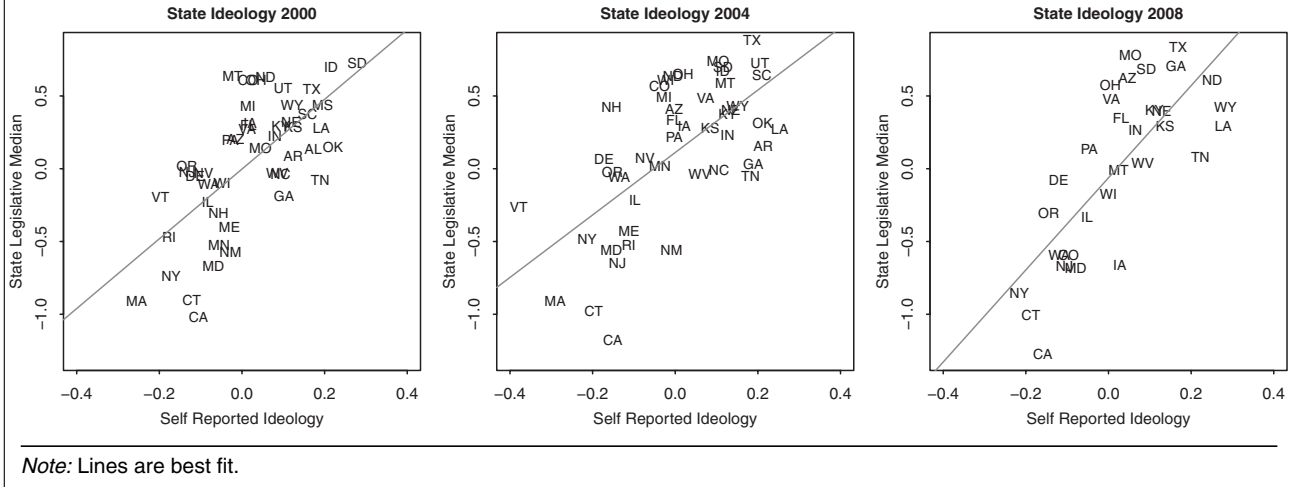
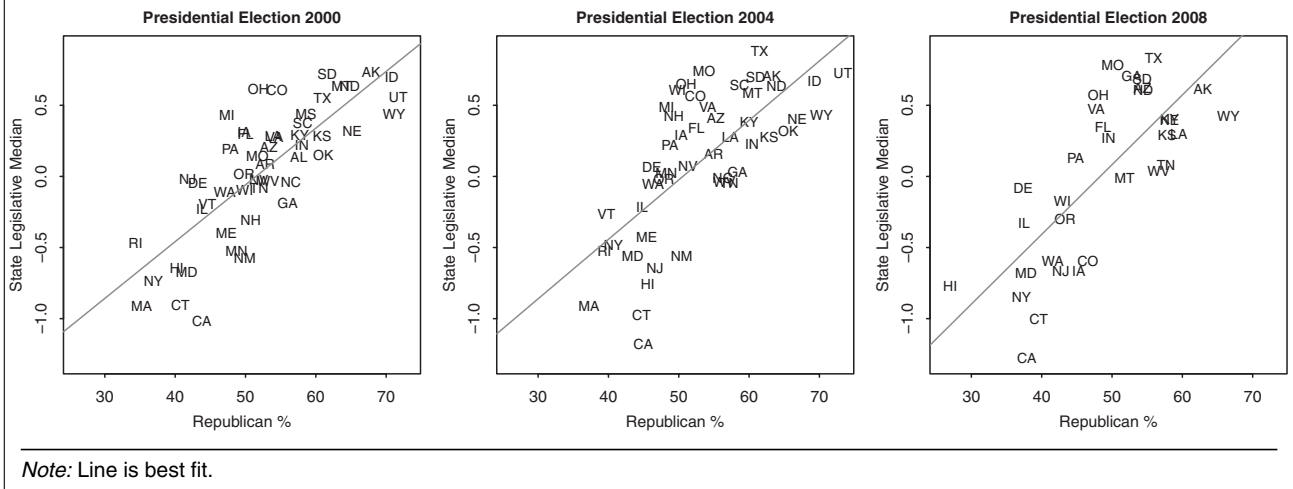


FIGURE 13. Scatterplot of Averaged (Upper and Lower Chamber) State Legislative Medians (x-axis) in 2000, 2004, and 2008 against Presidential Election Results Expressed as the Republican Two-party Vote Share (y-axis)



We also can assess representation at the state level. Here we consider how cross-state variation in voter preferences accounts for variation in the overall and party medians of state legislatures. For measures of voter preferences, we aggregate the self-reported ideology questions from the 2000–08 Annenberg National Election Surveys. Of course, because these measures are on different scales, we can only address responsiveness, not congruence.²⁰ Figure 12 plots the mean voter ideology self-placement against the pooled legislative median for each state. Although the lack of

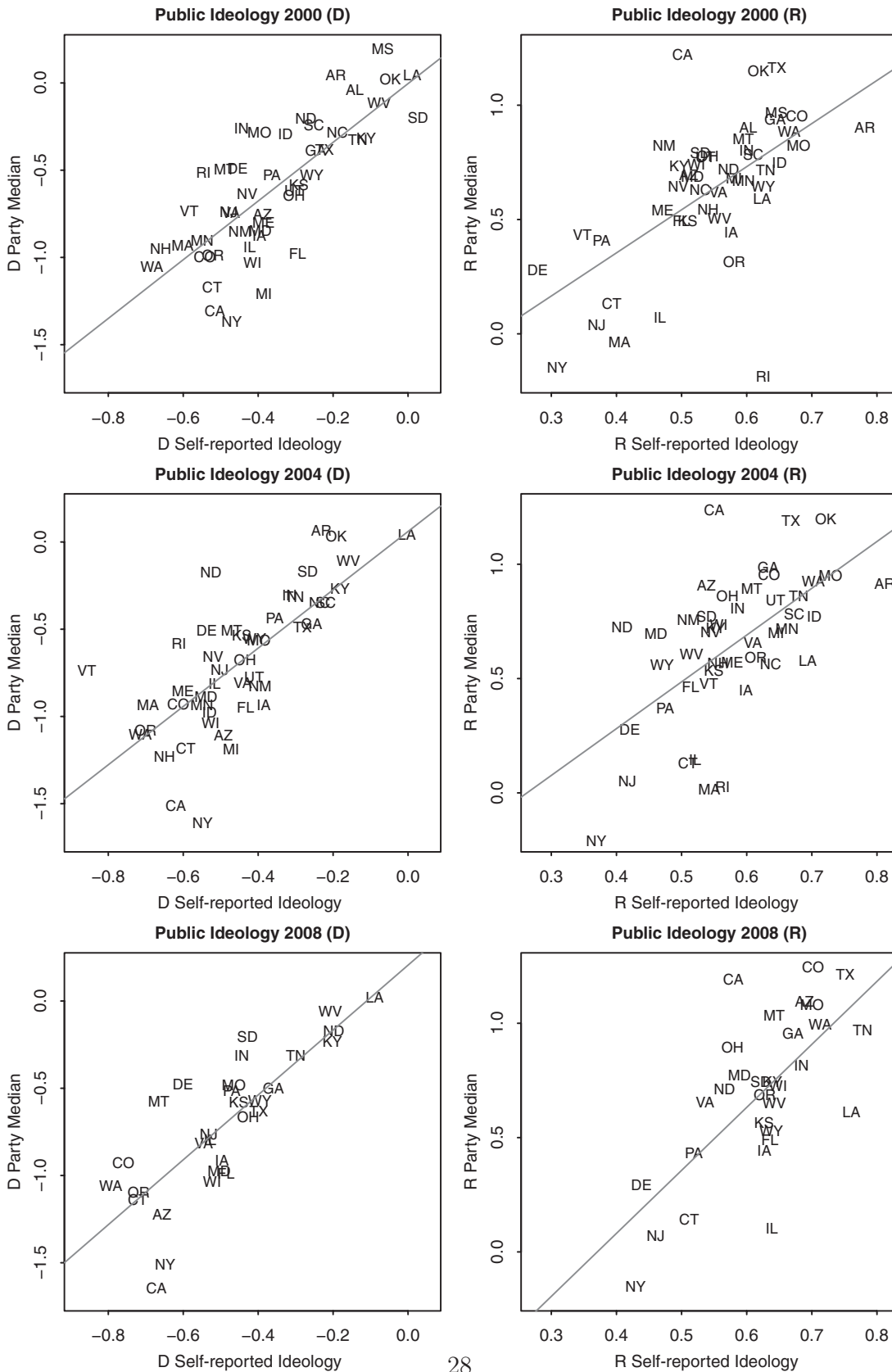
common scale prevents us from evaluating congruence, the strong correlations indicate a substantial amount of responsiveness between voter preferences and legislative medians.

An alternative approach compares presidential vote shares to legislative medians. Figure 13 shows that the correlation between the two is quite strong for the 2000, 2004, and 2008 elections, supporting the notion that state legislators are ideologically responsive to their electorates.

Our measure also allows us to disaggregate legislative ideology by party to assess the extent to which state party medians are responsive to the preferences of their voting constituencies. Figure 14 plots mean ideological placement by party against the legislative

²⁰ A new literature on congruence via estimation of common space ideal points for voters has recently arisen (Jessee 2010; Shor 2011; Shor and Rogowski 2010).

FIGURE 14. Scatterplot of Averaged (Upper and Lower Chamber) Legislative Party Medians (x-axis) in 2000, 2004, and 2008 against Annenberg Survey State Mean Standardized Self-reported Ideology (y-axis) for Self-Identified Members of Each Party



Note: Lines are best fit.

